INTERNATIONAL SEARCH REPORT

International application No. PCT/JP03/11453

Int.	FICATION OF SUBJECT MATTER 21 F01N3/08, F01N3/20, F01N3/	•	
According to	International Patent Classification (IPC) or to both nat	lonal classification and IPC	
B. FIELDS	SEARCHED	or classification symbols)	
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Electronic d	ats base consulted during the international search (nume	of data base and, where practicable, sea	rch terms used)
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C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-300302 A (TOYOTA JID KAISHA), 30 October, 2001 (30.10.01), Column 1, lines 2 to 11; Par. (Family: none)	OSHA KABUSHIKI	1-40
Y	EP 1138890 A2 (TOYOTA JIDOSH 04 October, 2001 (04.10.01), Par. Nos. [0106], [0160] to (& US 2001/0027645 A1 & JP	'0165]; Fig. 3	1-40
¥	JP 7-217474 A (TOYOTA JIDOSH 15 August, 1995 (15.08.95). Column 1, lines 33 to 36 (Family: none)	A KABUSHIKI KAISHA),	14,15,28
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	er documents are listed in the continuation of Box C.	See patent family annex.	L
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 0.9 December, 2003 (09.12.03)		"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the an document member of the same patent family Date of mailing of the international search report 24 December, 2003 (24.12.03)	
Name and n	pailing address of the ISA/	Authorized officer	
Japanese Patent Office		Telephone No.	
Facsimile N	o.	Lycichione 1.0.	

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Y	KAISHA), 26 September, 2000 (26.09.00), Par. No. [0023] & DE 10011612 A1	
¥	US 2001/0037643 A (NISSAN MOTOR CO., LTD.), 08 November, 2001 (08.11.01), Full text; all drawings & EP 1152140 A2 & JP 2001-317347 A	29-31
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